Phase 2b Clinical Study of Safety and Efficacy of Intravitreal Injection of Retinal Progenitor Cells (jCell) for Treatment of Retinitis Pigmentosa

Grant Award Details

Phase 2b Clinical Study of Safety and Efficacy of Intravitreal Injection of Retinal Progenitor Cells (jCell) for Treatment of Retinitis Pigmentosa

Grant Type: Clinical Trial Stage Projects

Grant Number: CLIN2-09698

Project Objective: Phase 2 trial completed

Investigator:

Name:	Henry Klassen
Institution:	jCyte, Inc
Type:	PI

Disease Focus: Retinitis Pigmentosa, Vision Loss

Human Stem Cell Use: Adult Stem Cell

Cell Line Generation: Other

Award Value: $8,295,750

Status: Active

Grant Application Details

Application Title: Phase 2b Clinical Study of Safety and Efficacy of Intravitreal Injection of Retinal Progenitor Cells (jCell) for Treatment of Retinitis Pigmentosa

Public Abstract:	**Therapeutic Candidate or Device** Allogeneic human retinal progenitor cells (hRPC) **Indication** Retinitis Pigmentosa (RP) **Therapeutic Mechanism** The cells are intended to remain suspended in the vitreous cavity of the eye and exert a beneficial neurotrophic effect on the degenerating retina. **Unmet Medical Need** RP is an incurable orphan disease. There are no treatments currently available other than a retinal chip for very end stage patients. Todate, there is nothing that will restore sight or slow the progression of vision loss in RP. Achieving any measurable benefits would be groundbreaking. **Project Objective** Phase 2 trial completed **Major Proposed Activities** Enrollment of patients in a Phase 2b clinical trial, along with patient follow up and collection of all clinical outcome measures.
Statement of Benefit to California:	RP is a relentless blinding disease with no current treatment. There are an estimated 10,000 patients with RP in California and all are either visually disabled already or expected to become so in time. Most or all these patients will need to receive healthcare benefits, special living assistance, and will also suffer from decreased economic functionality. Treatment for RP would be a medical breakthrough that may lead to treatment for other currently incurable blinding diseases.

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